

ABSTRACT OF THE DISCLOSURE

Printing image data is converted into image data for a proofer through a print condition conversion process for converting CMYK for printing into  $L^*a^*b^*$ , a spot color reference process for converting a spot color name into  $L^*a^*b^*$ , a printer condition conversion process for converting  $L^*a^*b^*$  into RGB for proof, and a composition process for synthesizing a process color with a spot color.

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